

BIOTINYLATED LABELED COMPOUND AND METHOD FOR FLUORESCENT LABELING USING THE SAME

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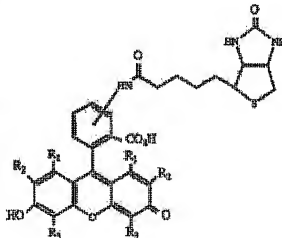
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Abstract of JP 7157487 (A)

PURPOSE: To obtain a new compound useful for fluorescent label DNA probe method for fluorescent label RNA probe method for analyzing a DNA base sequence. **CONSTITUTION:** A compound of the formula (R1, R2 and R3 are each H, a lower alkyl or a halogen). This compound is obtained by reacting a fluoresceinamine derivative with biotin by a well-known method for forming a peptide bond. The compound of the formula has detection sensitivity more excellent than that of chemical coloring method, is capable of using and storing streptavidin or avidin separately from a biotinylated fluorescent compound, has excellent stability and excellent reproducibility of fluorescent detection. Being simply synthesized, an advantage is inexpensive. Fluorescent labeling can be carried out by (1) a process for labeling a DNA or an RNA with biotin, (2) a process for reacting the DNA or the RNA labeled by biotin with streptavidin or avidin and (3) a process for reacting the complex obtained by the process (2) with the compound of the formula.



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レゾリンで溶解した、0.1Mトリス塩-0.1M食塩で作り、上清を定した化合物(4)1%を含む、3.0%ツナキルミド-2.5mM)ン酸ナトリウム緩衝液5.1で調整し、細胞に特異的なツナキル*

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*を得た、合成した化合物の濃度を、蛍光下で3.0日放置した後、同様な操作でツナキル緩衝液に特異的なツナキルを同様に得た。

フロントページの続き

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